



Recombinant Human Alpha-centractin (ACTR1A)

Product Code	CSB-EP001246HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P61163
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MESYDVIANQ PVVIDNGSGV IKAGFAGDQI PKYCFPNYVG RPKHVRVMAG ALEGDIFIGP KAEHRGLLS IRYPMEHGIV KDWNDMERIW QYVYSKDQLQ TFSEHPVLL TEAPLNPRKN RERAAEVFFE TFNVPALFIS MQAVLSLYAT GRTTGVLDS GDGVTHAVPI YEGFAMPHSI MRIDIAGRDV SRFLRLYLK EGYDFHSSSE FEIVKAIKER ACYLSINPQK DETLETEKAQ YYLPDGSIE IGPSRFRAP E LLFRPDLIGE ESEGIHEVLV FAIQKSDMDL RRTLFSNIVL SGGSTLFKGF GDRLLSEVKK LAPKDVKIRI SAPQERLYST WIGGSILASL DTFKKMVWSK KEYEEDGARS IHRKTF
Source	E.coli
Target Names	ACTR1A
Protein Names	Recommended name: Alpha-centractin Short name= Centractin Alternative name(s): ARP1 Actin-RPV Centrosome-associated actin homolog
Expression Region	1-376
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes a 42.6 kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 8-13 copies per dynactin molecule, and is the most abundant molecule in the dynactin complex. It is an actin-related protein, and is approximately 60% identical at the amino acid level to conventional actin.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.